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117: 154554e Solid-electrolyte fuel cells. Iwata, Tomoo (Fuji Electric Co., Ltd.) Jpn. Kokai Tokkyo Koho JP 04,138,670 [92,138,670] (Cl. H01M8/02), 13 May 1992, Appl. 90/260,852, 28 Sep 1990; 5 pp. The fuel cells have an anode and a cathode on the opposite sides of a solid electrolyte, a separator having a metal substrate melt-sprayed with a ceramic layer on its cathode side, and an oxidant gas flowing over the ceramic layer to the cathode. Preferably, the metal substrate is heat-resistant Cr-Ni or Co-Cr alloy, SUS 310, or Inconel 600; the ceramic is perovskite-type La *M* oxide, where *M* is selected from Cr, Mn, Fe, Co, Ni, and V; the electrolyte is Y₂O₃-stabilized ZrO₂; and the cathode is also a perovskite-type La *M* oxide. The ceramic coating prevents oxidn. of the metal substrate.